

AMENDMENTS TO THE SPECIFICATION

*Please replace the paragraph beginning page 6, line 24 with the following amended paragraph:*

Figure 6 is a graph which shows a relationship between a reticle forming surface of a reference plate and the astigmatism of an eyepiece in the second embodiment;

*Please replace the paragraph beginning page 7, line 10 with the following amended paragraph:*

Figure 10 is a graph which shows a relationship between a reticle forming surface of a reference plate and the astigmatism of an eyepiece in the third embodiment;

*Please replace the paragraph beginning page 9, line 2 with the following amended paragraph:*

The reference plate 10 includes a glass plate 10 11 (first clear plate) and a glass plate 12 (second clear plate). A surface 11a of the glass plate 10 11 and a surface 12a of the glass plate 12 are bonded. A reticle, for example, the cross hairs shown in Fig. 2, the scale shown in Fig. 3, and so on, is formed on the surface 11a of the glass plate 11 by using a chromium plating.

*Please replace the paragraph beginning page 9, line 9 with the following amended paragraph:*

The following TABLE 1 represents optical data of the first embodiment. The data in TABLE 1 represents the optical characteristics of the reference plate 10 and the eyepiece 20, in a state where a luminance is incident at the left side of Fig. 1. In TABLE 1, F denotes the focal length of the eyepiece 20, NO denotes surface number, R denotes a radius of curvature of each

surface, D denotes a distance (unit: mm) between surfaces along the optical axis OP1, N(d) denotes a refractive index of the d-line, and Vd denotes the Abbe numbers.

*Please replace the paragraph beginning page 12, line 14 with the following amended paragraph:*

The sixth surface corresponds to the surface 31b of the glass plate 31, and the eighth surface corresponds to the surface 32b of the glass plate 32. The surface 31a of the glass plate 31 and the surface 32a of the glass plate 32, which are bonded, correspond to the seventh surface. As is apparent from Fig. 5 and TABLE 2, in the second embodiment, the incident surface (the surface 31b of the glass plate 31, the sixth surface) and the exit surface (the surface 32b of the glass plate 32, the eighth surface) of the reference plate 30 are flat planes. The radius of curvature (-10.500) of the surface 31a which is the reticle forming surface is determined such that the sagittal ray of the eyepiece 20, which passes through the plane surface 31b, is imaged on the surface 31a. In other words, in the reference plate 30, the incident and the exit surfaces are plane planar, and only the surfaces which are bonded are curved in accordance with the field curvature of the sagittal image surface.